

## BEST AVAILABLE COPY

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10/710,588
Filing Date	7/22/2004
First Named Inventor	Hall, et al.
Art Unit	3672
Examiner Name	M. Smith
Attorney Docket Number	88.0054

Sheet 1 of 5

Examiner Initials*	Cite No. <sup>1</sup>	U.S. PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Document Number	Publication Date MM-DD-YYYY		
		Number-Kind Code <sup>2</sup> (if known)			
MR		US- 6,392,317 B1	5/21/2002	Hall, David R., et al	
MR		US- 6,670,880 B1	12/30/2003	Hall, David R., et al	
MR		US- 6,717,501 B2	4/8/2004	Hall, David R., et al	
MR		US- 6,888,473 B1	5/3/2005	Hall, David R., et al	
MR		US- 6,799,832 B2	10/5/2004	Hall, David R., et al	
MR		US- 6,844,488 B2	1/18/2005	Hall, David R., et al	
MR		US- 6,830,487 B2	12/14/2004	Hall, David R., et al	
MR		US- 6,913,098 B2	7/5/2005	Hall, David R., et al	
MR		US- 6,821,147 B1	11/23/2004	Hall, David R., et al	
MR		US- 6,928,493 B2	8/16/2005	Hall, David R., et al	
MR		US- 6,945,802 B2	8/20/2005	Hall, David R., et al	
MR		US- 20050238160 A1	10/27/2005	Hall, David R., et al	
MR		US- 20050212530 A1	9/28/2005	Hall, David R., et al	
MR		US- 20050173128 A1	8/11/2005	Hall, David R., et al	
MR		US- 20050181215 A1	7/28/2005	Hall, David R., et al	
MR		US- 20050160853 A1	7/14/2005	Hall, David R., et al	
MR		US- 20050145408 A1	7/7/2005	Hall, David R., et al	
MR		US- 20050115717 A1	7/2/2005	Hall, David R., et al	
MR		US- 20050001735 A1	1/8/2005	Hall, David R., et al	

Examiner Initials*	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Foreign Patent Document	Publication Date MM-DD-YYYY			
		Country Code <sup>4</sup> Number <sup>4</sup> Kind Code <sup>4</sup> (if known)				

Examiner Signature	<i>Matthew Smith</i>	Date Considered	23 Jan 06
--------------------	----------------------	-----------------	-----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard BT.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard BT. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

## BEST AVAILABLE COPY

PTO/SB/08A (04-03)

Approved for use through 04/30/2003, OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	10710,588
Filing Date	7/22/2004
First Named Inventor	Hall, et al.
Art Unit	3872
Examiner Name	M. Smith
Attorney Docket Number	88.0054

Sheet 2

of

5

## U. S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Document Number <sup>3</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>4</sup> (if known)			
MS		US- 20050095827 A1	5/5/2005	Hall, David R., et al	
MS		US- 20050093296 A1	5/5/2005	Hall, David R., et al	
MS		US- 20050092499 A1	5/5/2005	Hall, David R., et al	
MS		US- 20050082092 A1	4/21/2005	Hall, David R., et al	
MS		US- 20050001736A1	1/8/2005	Hall, David R., et al	
MS		US- 20050070144 A1	3/31/2005	Hall, David R., et al	
MS		US- 20050087159 A1	3/31/2005	Hall, David R., et al	
MS		US- 20050048590 A1	3/3/2005	Hall, David R., et al	
MS		US- 20050048586 A1	3/3/2005	Hall, David R., et al	
MS		US- 20050045339 A1	3/3/2005	Hall, David R., et al	
MS		US- 20050039912 A1	2/24/2005	Hall, David R., et al	
MS		US- 20050038507 A1	2/17/2005	Hall, David R., et al	
MS		US- 20050035876 A1	2/17/2005	Hall, David R., et al	
MS		US- 20050035875 A1	2/17/2005	Hall, David R., et al	
MS		US- 20050035874 A1	2/17/2005	Hall, David R., et al	
MS		US- 20050001736 A1	1/8/2005	Hall, David R., et al	
MS		US- 20040246142 A1	12/9/2004	Hall, David R., et al	
MS		US- 20040244864A1	12/9/2004	Hall, David R., et al	
MS		US- 20040244918A1	12/9/2004	Hall, David R., et al	

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Foreign Patent Document <sup>3</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>5</sup> Number <sup>6</sup> Kind Code <sup>7</sup> (if known)				

Examiner  
Signature

Matthew Smith

Date  
Considered

23 Jan 06

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 601.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

## BEST AVAILABLE COPY

PTO/58/08A (04-03)

Approved for use through 04/30/2005. OMB 0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/710,588
		Filing Date	7/22/2004
		First Named Inventor	Hall, et al.
		Art Unit	3872
		Examiner Name	M. Smith
Attorney Docket Number	66.0034		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MS		US- 20040216847 A1	11/4/2004	Hall, David R., et al	
MS		US- 20040184838 A1	8/28/2004	Hall, David R., et al	
MS		US- 20040184833 A1	8/28/2004	Hall, David R., et al	
MS		US- 20040150532 A1	8/5/2004	Hall, David R., et al	
MS		US- 20040145492 A1	7/28/2004	Hall, David R., et al	
MS		US- 20040113808 A1	8/17/2004	Hall, David R., et al	
MS		US- 20040104797 A1	6/3/2004	Hall, David R., et al	
MS		US- 4,739,325	4/19/1988	MacLeod	
MS		US- 6,012,015	1/4/2000	Tubel	
MS		US- 6,252,518 B1	6/28/2001	Laborde	
MS		US- 2,414,719	1/21/1947	Cloud	
MS		US- 3,918,608	8/30/1970	Papadopoulos	
MS		US- 4,788,544	11/29/1988	Howard	
MS		US- 6,888,308 B2	8/16/2005	Boyle, et al	
MS		US- 6,888,396 B2	2/10/2004	Floerke et al	
MS		US- 4,708,997	11/17/1987	Carstensen	
MS		US- 5,984,485	10/12/1999	Sinclair	
MS		US- 6,050,610	4/18/2000	Enderle	
MS		US- 6,722,708 B2	4/20/2004	Church	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>Martin Smith</i>	Date Considered	23 Jan 06
--------------------	---------------------	-----------------	-----------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.2). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTC/BB/08A (04-03)

Approved for use through 04/30/2003, OMB 0581-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
No collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1996, no persons are required to re-

Substitute for form 1449/PTO

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/710,588
Filing Date	7/22/2004
First Named Inventor	Hall, et al.
Art Unit	3872
Examiner Name	M. Smith
Attorney Docket Number	65.0054

Sheet 4 of 5

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature	<i>Matthew Smith</i>	Date Considered	23 Jan 06
-----------------------	----------------------	--------------------	-----------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). \* See Kinds Code of Standard ST.3). For USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.67 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.**

PAGE 8/14 \* RCVD AT 1/5/2006 5:01:48 PM (Eastern Standard Time) \* SVR:USPTO-EFXRF-625 \* DNIS:2733300 \* CSID:281 3785720 \* DURATION (mm:ss):03:54